


Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number Optional 15923-9011 DIV		Application Number Not yet assigned							
				Applicant Charles L. Cunningham et al.									
				Filing Date Herewith		Group Art Unit Not yet assigned							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
Jm	6	1	1	6	8	4	4	09/12/00	Hayward				
I	6	1	0	1	9	1	1	08/15/00	Newell et al.				
	6	0	5	0	1	6	0	04/18/00	Newell et al.				
	6	0	4	4	3	1	0	03/28/00	Douglass				
	5	9	7	4	8	7	8	11/02/99	Newell et al.				
	5	9	7	0	4	2	7	10/19/99	Greenwald				
	5	9	6	7	2	0	8	10/19/99	Calvert				
	5	7	6	5	4	5	7	06/16/98	Meyer et al.				
	5	7	6	0	9	3	8	06/02/98	Hodge				
	5	6	5	3	1	5	3	08/05/97	Greenwald				
	5	6	4	5	4	6	5	07/08/97	Vannan, III				
	5	6	1	5	5	8	9	04/01/97	Roach				
	5	6	0	2	7	3	3	02/11/97	Rogers et al.				
	5	5	4	9	0	2	3	08/27/96	Strout et al.				
	5	5	4	4	8	7	2	08/13/96	Schuit				
	5	4	9	9	5	6	3	03/19/96	Hansen				
Jm	5	3	4	7	8	9	5	09/20/94	Bellinghausen et al.				
FOREIGN PATENT DOCUMENTS													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation	
												YES	NO
Jm	0	0	2	5	9	6	2	05/11/00	PCT			X	
I	9	8	0	9	7	5	4	03/12/98	PCT			X	
	9	8	1	0	2	6	2	03/12/98	PCT			X	
	7	2	4	6	5	0	1	09/26/95	Japan				X
Jm	4	4	0	3	9	5	1	08/10/95	Germany				X
EXAMINER 									DATE CONSIDERED 4/28/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.													

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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
Bw	5	2	7	9	1	9	2	01/18/94	Hartman						
	5	2	0	1	5	8	6	04/13/93	Zimmermann et al.						
	5	1	8	7	6	6	9	02/16/93	Wildes et al.						
	5	1	0	3	5	9	5	04/14/92	Dale et al.						
	5	0	9	9	7	2	8	03/31/92	Thiem						
	5	0	5	4	9	1	8	10/08/91	Downing et al.						
	4	9	5	3	2	9	6	09/04/90	Spainhour						
	4	8	5	4	1	9	9	08/08/89	Norman						
	4	8	5	3	6	8	0	08/01/89	Thomas						
	4	8	3	1	3	6	5	05/16/89	Thomas et al.						
	4	7	6	4	7	6	0	08/16/88	Bedard et al.						
	4	7	5	9	2	4	3	07/26/88	Thompson						
	4	7	4	5	4	6	9	05/17/88	Waldecker et al.						
	4	7	0	3	9	7	7	11/03/87	Haanschoten						
	4	6	7	8	4	0	8	07/07/87	Nason et al.						
Bw	4	6	4	0	1	5	8	02/03/87	Link et al.						
FOREIGN PATENT DOCUMENTS															
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation			
												YES	NO		
Bw	5	2	7	3	0	9	0	10/22/93	Japan					X	
	4	3	3	0	8	1	1	09/12/93	Germany					X	
	4	2	4	3	0	8	7	06/24/93	Germany (A1)					X	
	4	2	4	3	0	8	7	06/24/93	Germany (C2)					X	
Bw	4	1	0	7	4	7	1	09/10/92	Germany					X	
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>															
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EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4	5	2	3	4	9	9	06/18/85	Aldridge, Jr.				
	4	4	9	3	2	3	1	01/15/85	Wossner				
	4	4	7	8	1	1	6	10/23/84	Fuller				
	4	4	5	2	1	1	1	06/05/84	Anderson				
	4	3	8	8	8	4	6	06/21/83	Kopecko et al.				
	4	3	3	6	7	3	0	06/29/82	Kopecko et al.				
	4	2	2	6	1	4	6	10/07/80	Ekman				
	4	1	8	0	9	1	5	01/01/80	Lill et al.				
	4	1	6	5	6	6	2	08/28/79	Besenbruch et al.				
	3	9	5	1	5	6	3	04/20/76	Ravenhall				
	3	8	9	5	5	3	9	07/22/75	Weman et al.				
		3	6	9	1	8	8	0	09/19/72	Ratteree et al.			
FOREIGN PATENT DOCUMENTS													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation	
										YES	NO		
	4	0	1	0	1	8	0	10/02/91	Germany				X
	3	8	4	2	7	0	4	04/12/90	Germany				X
	1	1	6	8	8	4	1	07/04/89	Japan				X
	3	7	1	3	7	4	4	11/03/88	Germany				X
	1	1	7	0	0	1		06/04/86	Japan			X	
		5	8	8	2	6	0	2	05/18/83	Japan			
OTHER DOCUMENTS <small>(Including Author, Title, Date, Pertinent Pages, Etc.)</small>													
Paper entitled "Development of Precise Rotating Mechanism with Fine Motion Stage," Proceedings of Ninth World Congress of the Theory of Machines and Mechanisms held in Politecnico di Milano, Italy, August 29 through September 2, 1995.													
EXAMINER 									DATE CONSIDERED 9/28/09				
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<i>EW</i> <div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>	3	6	8	9	1	6	1	09/05/72	Lill et al.	1	2		
	3	6	6	3	7	9	5	05/16/72	Myer				
	3	6	0	3	1	5	8	09/07/71	Schlitz				
	3	5	4	0	1	6	5	11/17/70	Lanham				
	3	5	4	0	1	6	4	11/17/70	Deceuster				
	3	3	7	3	6	2	2	03/19/68	Stautmeister				
	3	3	0	3	7	0	9	02/14/67	Slisz et al.				
	2	5	4	6	2	2	5	03/27/51	Julian et al.				
	1	9	0	4	1	5	2	04/18/33	Lovely				
	1	7	3	3	5	7	8	10/29/29	Burke				
	1	5	5	4	3	0	2	09/22/25	Slyder et al.				
	1	2	3	6	7	4	8	08/14/17	Osberg et al.	1			
<i>EW</i>	R	e	3	3	1	4	4	01/09/90	Hunter et al.	1			
FOREIGN PATENT DOCUMENTS													
	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	Translation	
												YES	NO
<i>EW</i>	2	8	3	5	2	5	8	02/21/80	Germany				X
<i>EW</i>	1	6	5	0	7	3	1	02/28/74	Germany				X
<div style="border-left: 1px solid black; height: 100px; margin-left: 5px;"></div>													
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